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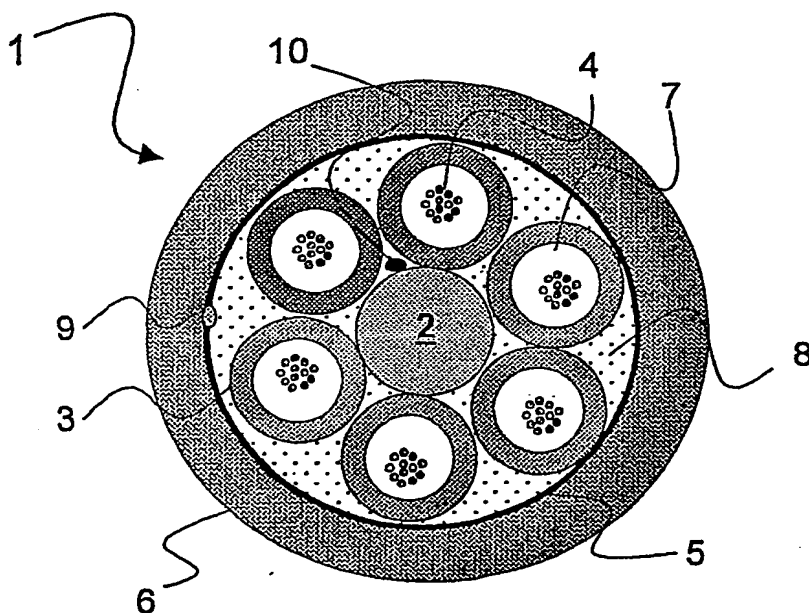
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(54) Title: TELECOMMUNICATION LOOSE TUBE OPTICAL CABLE WITH REDUCED DIAMETER



(57) Abstract: It is described an optical fiber cable having an highly reduced diameter. The cable comprises: a central strength member (2); a number of tubes (3) containing loosely arranged optical fibers (4), each tube (3) having a thickness, each optical fiber having a coating; and a protective outer jacket (6), wherein the filling coefficient of optical fibers in at least one loose tube is  $\geq 45\%$ ; the tubes comprise a material having an elasticity modulus  $\geq 700$  MPa; and the optical fibers are SM-R fibers having a microbending sensitivity  $\leq 4,0$  dB. km<sup>-1</sup> / g. mm<sup>-1</sup> in a temperature range from about -30 °C to +60 °C at about 1550 nm.

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